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Prepn. of lithium-contg. cpd. oxide and kiln - comprises firing mixt.
contg. cobalt and/or nickel raw material and lithium raw materials in
oxidising atmos..

Patent Assignee: SEIMI CHEM KK (SEIM-N)

Number of Countries: 001 Number of Patents: 001

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JP 10152327 A 19980609 JP 96308492 A 19961119 C01G-053/00 199833 B

Priority Applications (No Type Date): JP 96308492 A 19961119

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

JP 10152327 A 4

Abstract (Basic): JP 10152327 A

Prepn. of lithium-contg. cpd. oxide by firing a raw material mixt.
contg. a cobalt and/or nickel raw material cpds. and lithium raw
material cpd. in an oxidising atmos. in a kiln is characterised in that
at least the surface of the material of the kiln or of the container
for the raw material mixt. in the kiln which contacts the raw material
mixt. during firing is made of silver.

Also claimed is a kiln, which is used for firing a raw material
mixt. contg. a cobalt and/or nickel raw material cpds. and lithium raw
material cpd. to produce a lithium-contg. cpd. oxide and has a liner
whose surface is coated with silver or a container for the raw material
mixt. at least the surface of which is made of silver.

USE - The lithium-contg. cpd. oxide can be used as an active
substance of positive electrodes of lithium secondary batteries.

ADVANTAGE - The corrosion of the kiln is inhibited.

Dwg. 0/0

Title Terms: PREPARATION; LITHIUM; CONTAIN; COMPOUND; OXIDE; KILN; COMPRISE
; FIRE; MIXTURE; CONTAIN; COBALT; NICKEL; RAW; MATERIAL; LITHIUM; RAW;
MATERIAL; OXIDATION; ATMOSPHERE

Derwent Class: E31; L03; X16

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C04B-035/64; H01M-004/58

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